

Multi-Trap from MVP



MV Products new fully integrated, high capacity, stainless steel, multiple stage knock down trap and vacuum filtration system is for use with LPCVD and other processes.

It has a solid wall at the inlet to knock down and trap large particles from highly reactive processes. Capable of limiting particles entering the vacuum pump to under one micron, the trap has two separate stages which each accept five or six

replaceable filter elements and can be tailored by the user.

A range of filter elements is available — copper gauze, molecular sieve, activated alumina or charcoal, etc. — with a cooling module for condensation of vapours is an option.

■ *Send for a catalog to Curt Paden, MV Products, Mass-Vac Inc., 247 Rangeway Rd., PO Box 359, N. Billerica, MA 01862 USA. Tel/fax: [1] 508 667 2393 / 0014.*

AP NF₃

By FQ97, Air Products and Chemicals Inc. to double NF₃ capacity to ca 500 000 lb/yr, by both building a new US facility (site yet to be chosen) and

boosting its Tamaqua, PA, plant. NF₃ will be shipped to a new transfill site in Tsukuba, Japan, and the plant being built at Shiwha, Korea.

Solution TMI update

In the latest issue of "The Cutting Edge" OM's Update from Air Products — Epichem, recent results from users of TMI solution bubblers look impressive when compared to solid TMI sources. They show nearly 100% utilization with constant output over near the entire life of the source.

It tells how users have exhausted entire 100 gram

bubblers in 9 months, with the TMI concentration only starting to fall after 8 months. TMI delivered concentration was checked with an Epison and Hall data for a 4 micron InP epilayer is shown in the table.

■ *Contacts: Lesley Smith, Epichem, tel: [44] (0)151 334 2774. Greg Muhr, Air Products, tel: [1] 610 481 7070.*

HALL DATA

Mobility (μ) @ 300K:	5200 cm ² /V.s
Background carrier concentration (n) @ 300K:	2×10^{14} cm ⁻³
Mobility (μ) @ 77K:	165,400 cm ² /V.s
Background carrier concentration (n) @ 77K:	4×10^{14} cm ⁻³

ERA Tech Report on Microwave Imaging

ERA Technology's report: A Survey of Microwave Imaging Techniques and Applications, reviews current uses of microwave imaging, with examples drawn from a wide variety of industrial process control and medical applications. The theoretical background to each applications is given in addition to information on the system configuration, plus illustrative diagrams and pictures.

■ (Ref. 94-1086R), cost: £150.00 from: Publications Sales, ERA Technology Ltd, Cleeve Road, Leatherhead, Surrey KT22 7SA, UK. Tel/fax: [44] (0)1372 367014/377924. E-mail: pub.sales@era.co.uk

MKS API

MKS Instruments has established a new division: Advanced Products Integration (API) to provide solutions to vacuum and gas management problems through integrated subsystems.

API will be headed by Delton Hyatt, former Director of Product Development at the HPS Division, who is president; he will be joined by Dr Steve Holland, ex-IBM/SEMATECH.

■ *Contact: 3844 E. University Drive, Phoenix, AZ 85034 USA. Tel/fax: [1] (602) 437 4800 / 4900.*

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